

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE	
	<p>PAD No.: 08-117</p> <p>Date: 17 October 2008</p> <p>Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>	
<p>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>		
Type Approval Holder's Name :	Type/Model designation(s) :	
Funkwerk Avionics GmbH	TRT800A and TRT800H Transponders	
ETSO Authorisations: EASA.21O.268, EASA.21O.269		
Foreign AD :	Not applicable	
Supersedure :	None	
ATA 34	Navigation – Mode-S Transponders – Replacement	
Manufacturer(s):	Funkwerk Avionics GmbH, Filser Electronic GmbH	
Applicability:	<p>This AD applies to the following Mode-S transponders, except those marked Mod-Index 10:</p> <ul style="list-style-type: none"> - TRT800A, all Part Numbers (P/N), serial numbers (s/n) up to and including 40539908, and - TRT800H, all P/N, s/n up to and including 30250007. <p>These transponders are known to be installed on, but not limited to, aircraft certificated (validated) by EASA under CS 22 or CS 23, and aircraft certificated (validated) by EU Member States or associated countries prior to 28 September 2003 under equivalent National Standards.</p>	
Reason:	<p>EASA has received reports of intermittent loss of detection on Mode-S Secondary Surveillance Radar (SSR) of aircraft equipped with Funkwerk Avionics TRT800A Transponders. Reports from Air Navigation Service Providers (ANSP), as well as data from flight trials, have shown that the unit fails to perform as expected.</p> <p>Based on the information provided in the reports, EASA has determined that operation of these transponders in airspace where Mode S interrogations are used by the ground systems could create disruptions in the Air Traffic Management process, potentially compromising aircraft safety.</p> <p>Consequently, EASA issued AD 2008-0158 to require the implementation of an operational limitation on all aircraft equipped with these transponders, and the installation of a placard in full view of the pilot(s).</p> <p>Funkwerk Avionics has now developed a modification (Mod-Index 10), approved by EASA, which has been demonstrated to remedy the unsafe</p>	

	<p>condition addressed by EASA AD 2008-0158 in the current ATC environment.</p> <p>For the reason described above, this new EASA AD retains the requirements of EASA AD 2008-0158 for TRT800A and TRT800H transponders, although the limitation and placard wording are changed. In addition, this new AD requires replacement of the affected transponders with modified units. Aircraft affected by this AD must introduce the Aircraft Flight Manual (AFM) limitation and placard as specified in this new AD, replacing those introduced by EASA AD 2008-0158, until the transponder is replaced with a modified (Mod-Index 10) unit. After installation of a modified unit, the limitation and placard shall be removed from the aircraft. At the same time, since new information has shown that the TRT800 transponders are not affected by the unsafe condition, AD 2008-0158 has been revised (R1) to delete the TRT800 transponders from the applicability. When EASA PAD 08-117 becomes a Final AD, AD 2008-0158 is expected to be revised again (R2) to transfer the requirements for TRT800A and TRT800H transponders to this new AD.</p> <p>For more details, see EASA Safety Information Bulletin (SIB) 2008-84, which identifies further issues which may lead to future AD action.</p>
Effective Date:	[TBD: 7 days after Final AD issue date]
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within 7 days after the effective date of this AD, accomplish the following:</p> <p>(a) Amend the applicable AFM, section Limitations, to include the following:</p> <p>“Due to a performance problem of the transponder, do not operate this aircraft in airspace where a transponder is required, except as published by the appropriate ATS (Air Traffic Service) Authority”.</p> <p>This may be accomplished by inserting a copy of this AD into the AFM, section Limitations.</p> <p>(b) Install a placard in full view of the pilot(s), with the following instructions:</p> <p>“Do not operate this aircraft in airspace where a transponder is required, except as published by the appropriate ATS (Air Traffic Service) Authority”.</p> <p>Note: The AFM limitation and placard as required by paragraph (1) of this AD replace those previously required by EASA AD 2008-0158, which must be removed.</p> <p>(2) Within the next 24 months after the effective date of this AD, replace the affected transponder with a unit that has been modified in accordance with Funkwerk Avionics Service Bulletin (SB) TRT800-A-H-1 Revision 1.04 dated 17 October 2008.</p> <p>(3) After modification of an aircraft as required by paragraph (2) of this AD, the AFM limitation and placard as required by paragraph (1) of this AD are no longer necessary and shall be removed from the aircraft.</p> <p>(4) After [insert date: 24 months after Final AD effective date], no person shall install a transponder, as identified in the Applicability of this AD, on any aircraft, unless it has been modified in accordance with Funkwerk Avionics SB TRT800-A-H-1 Revision 1.04 dated 17 October 2008.</p>
Ref. Publications:	<p>Funkwerk Avionics SB TRT800-A-H-1 Revision 1.04 dated 17 October 2008.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p> <p>EASA Safety Information Bulletin 2008-84 dated 17 October 2008.</p>
Remarks :	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 31 October 2008. 2. Enquiries regarding this PAD should be referred to the Airworthiness

	<p>Directives, Safety Management & Research Section, Certification Directorate, EASA; E-mail ADs@easa.europa.eu</p> <p>3. For any question concerning the technical content of the requirements in this PAD, please contact: Funkwerk Avionics GmbH, Gewerbestrasse 2, D-86875, Waal, Federal Republic of Germany Telephone +49 (0)8246 96 99 0, Fax: +49 (0)8246 1049 E-mail service@funkwerk-avionics.com Website: http://shop.funkwerk-avionics.com</p>
--	---